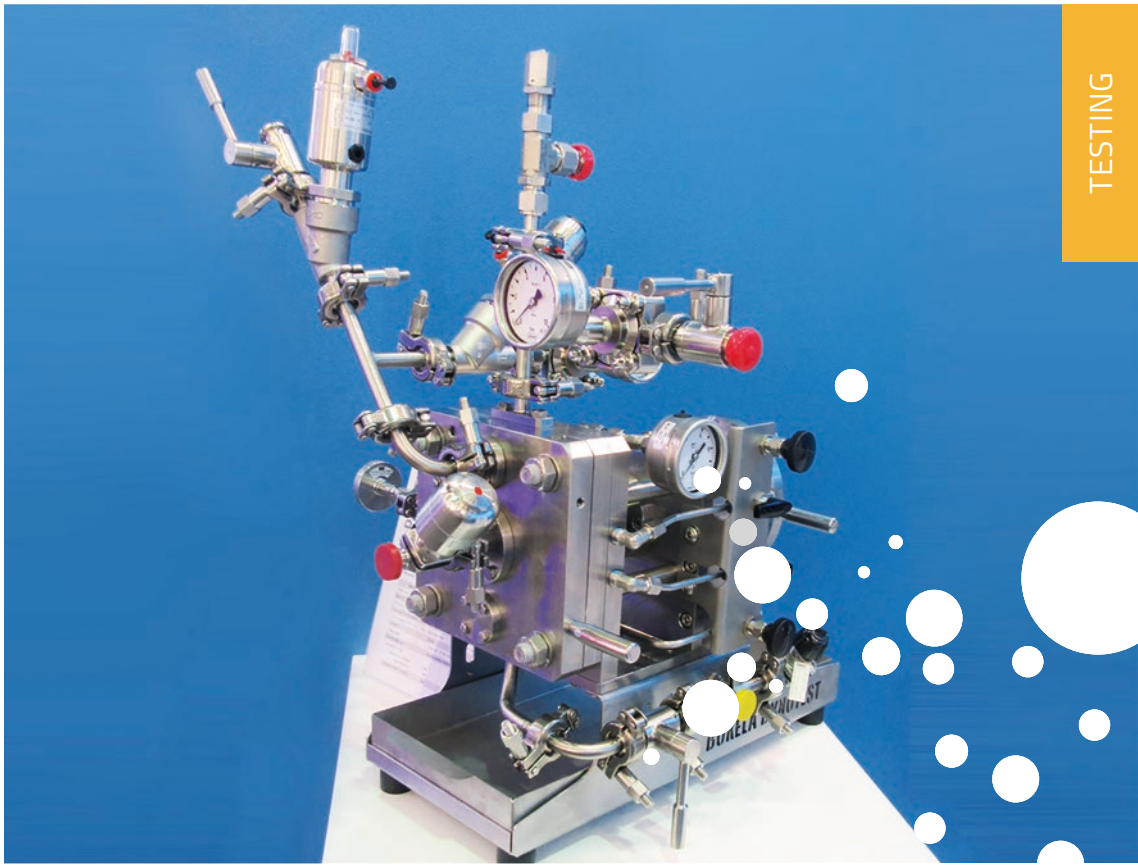
BOKELA

LABORATORY TESTS IN CROSSFLOW FILTRATION

BoCrossTest – Testing crossflow filtration in a comprehensive but simple way.



TESTING

FACTS:

BoCrossTest is a laboratory test device for the investigation of dynamic crossflow filtration. With small sample quantities, the possibilities of crossflow filtration with regard to thickening, washing or even classification can be determined and a variety of filter media can be tested. BoCrossTest provides the key data relevant for a filtration evaluation.

BoCrossTest is a laboratory-scale dynamic crossflow filter. Like BoCross Dynamic and BoCross MicroScreen, it operates on the principle of dynamic crossflow filtration and uses the shear stress effect to prevent solid deposits on the filter medium.

TESTING CROSSFLOW FILTRATION.

With small sample quantities, BoCrossTest enables the determination of the filtration behavior under crossflow conditions. Various suspensions and filter media (polymer membranes, metal mesh, ceramic membranes) can be investigated. BoCrossTest can be operated both, discontinuously and continuously.

BoCrossTest allows small sample quantities to be analyzed for filtration behavior under crossflow conditions - both for general crossflow filtration such as filtration in tubular membranes but especially for a dynamic crossflow filtration at higher shear rates and higher particle loadings.

For various suspensions and filter media (polymeric membranes, metal mesh, ceramic membranes), the possibilities of crossflow filtration can be determined regarding thickening, washing, and sieving.

BoCrossTest supplies the filtration parameters important for a filter layout, such as pressure, rotor speed, range of concentration, and flow rate.

BoCrossTest is characterized by:

- portable laboratory filter with small dimensions (e.g. for use in fume cupboards)
- only small sample volume of 1 to 40 l required (depending on test scope)
- use of different filter media
- fast change of filter media
- easy handling

Further information at:
bokela.com/bocrosstest

Version	Complete	Basic
Filter area	0.013 m²	
Material	Filter: 1.4404 / Frame: 1.4307 / Sealing: Viton	
Filtration pressure	max. 10 bar	max. 6 bar
Operation temperature	max. 170 °C	max. 95 °C
Sizes (L × W × H)	736 × 585 × 628 mm	639 × 334 × 581 mm
Weight	54 kg	48 kg
Drive	0.55 kW / IP 55 / Eex d IIC T4	
Mechanical seal	Double acting mechanical seal	
Operation mode: membrane filtration sieve filtration with intermittent backwashing	 yes yes	 yes no
Kühlung	yes	no

BOKELA
THE FILTRATION PEOPLE

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